

# CUC-V14-C1ZNI-S/R4E8 - RJ45 connector



1422661

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RJ45 connector, degree of protection: IP65/IP67, number of positions: 8, 1 Gbps, CAT5, material: Metal, connection method: IDC fast connection, connection cross section: AWG 26- 24, cable outlet: straight, Ethernet

## Your advantages

- Push-pull ADVANCE connector
- Locking system to prevent inadvertent release
- Protected data transmission thanks to 360° shielding concept
- Highest ESD and EMC resistance for reliable transmission

## Commercial data

Item number	1422661
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB17
Product key	ABNOAA
GTIN	4055626311197
Weight per piece (including packing)	102.1 g
Weight per piece (excluding packing)	88.419 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Notes

General	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 3.01, Order No. 2252
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### Product properties

Product type	Data connector (cable side)
Type	RJ45
Sensor type	Ethernet
Number of positions	8
Connection profile	RJ45
No. of cable outlets	1
Shielded	yes
Cable outlet	straight

### Insulation characteristics

Overvoltage category	I
Degree of pollution	2

### Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated current	1.75 A
Frequency range	to 100 MHz
Insulation resistance	> 500 $\Omega$
Nominal voltage $U_N$	48 V
Transmission medium	Copper
Transmission speed	1 Gbps
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps
Power transmission	PoE++ in accordance with: IEEE 802.3bt

### Connection data

#### Connection technology

Connection method	IDC fast connection
Connection technology	QUICKON connection
Connection cross section AWG	26 ... 24 (solid) 26 ... 24 (flexible)
Conductor cross section	0.14 mm <sup>2</sup> ... 0.23 mm <sup>2</sup> (solid) 0.14 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (flexible)

### Dimensions

Width	22 mm
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Height	34 mm
Length	80 mm

## Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Seal material, O-ring	NBR
Seal material cable seal	CR
Seal material	NBR
Seal material, pin connector pattern	NBR
Housing material	Metal
Housing surface material	nickel-plated
Contact material	Copper alloy
Contact surface material	Gold over nickel
Contact carrier material	PC
Material for screw connection	CuZn

## Cable/line

External cable diameter	5 mm ... 10 mm
External cable diameter	5.5 mm ... 10 mm
Cable cross section	0.14 mm <sup>2</sup>

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 750
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65/IP67
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-10 °C ... 40 °C

## Standards and regulations

Standards/specifications	IEC 61076
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## Approvals

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<div> <b>cULus Recognized</b> Approval ID: E335024-20170228</div>				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	56.5 V	1.75 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440290
ECLASS-15.0	27440290

### ETIM

ETIM 9.0	EC002943
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	68b13497-2852-4051-9ee9-0deae6185496

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